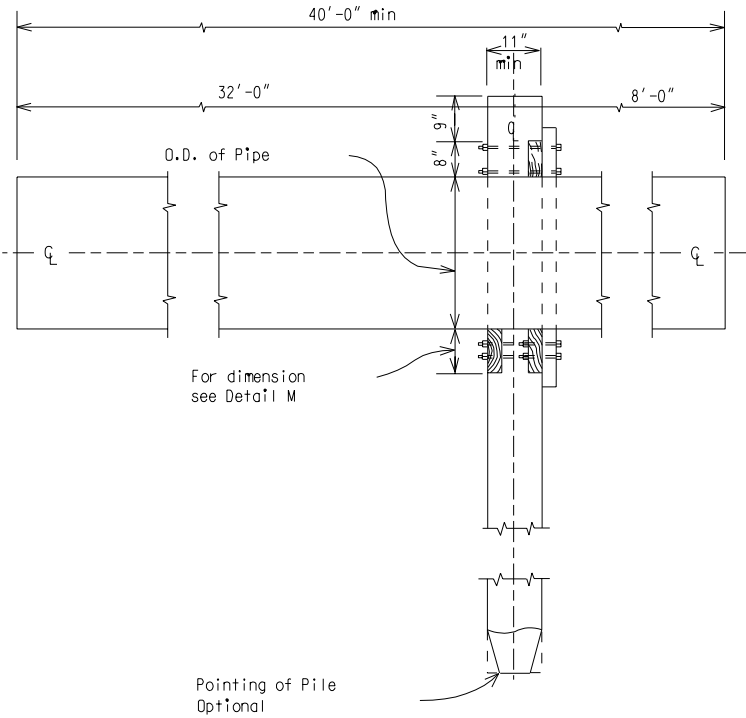
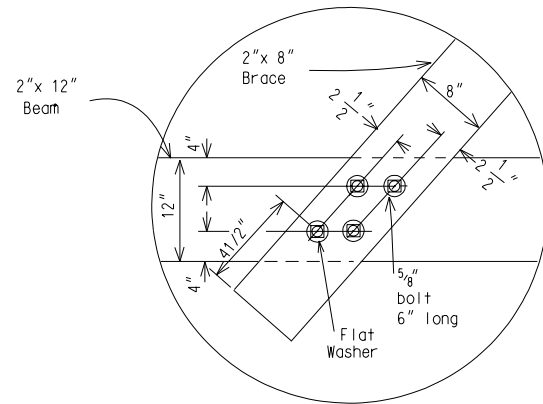


PLAN  
(NTS)

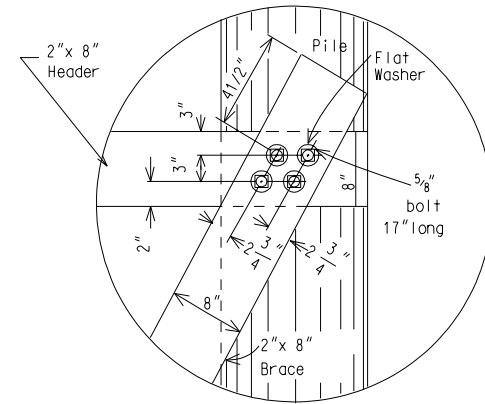


SECTION ALONG  
CENTERLINE OF PIPE  
(NTS)

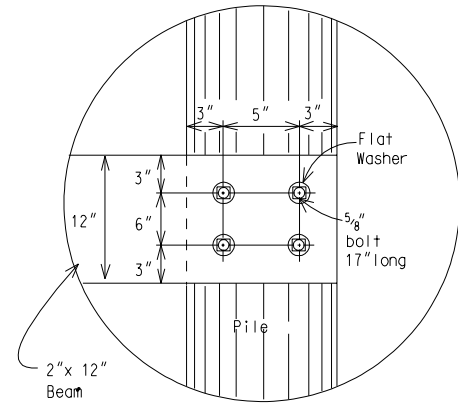
TABLE OF DIMENSIONS				
PIPE DIAMETER IN INCHES		42	48	
A	FEET	7'-0"	7'-0"	
B	FEET	6'-2"	6'-5"	



DETAIL P



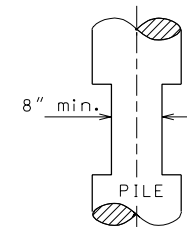
DETAIL N



DETAIL M

## NOTES AND SPECIFICATIONS

- Lumber shall be southern Pine(unfinished surface), No. 2 Dense (MC=19) in conformance with the latest edition of grading rules by the Southern Pine Inspection Bureau.
- Washers shall be circular cut washers conforming to the requirements of A.S.T.M. Specification A-36. Bolts shall conform to A.S.T.M. Specification A-307. Bolts, nuts, and washers shall be hot dip zinc coated in accordance with the requirements of class C, A.S.T.M. Specification A-153, or stainless steel class 304 or 316. Bolts shall have a 6 inch minimum thread length.
- Timber piles shall meet the requirements of ASTM D25 and shall be class B southern yellow pine.
- Timber piles and timber members shall be pressure treated in conformance with ASTM D 1760. Precrcribed treatment shall be stated in the specifications.
- Bracing shall be placed against and bolted tangent to the pipe.
- The piles may be either:
  - Set butt up, in drilled holes which have a diam. at least 9" larger than the top of the pile. Backfill may be with earth placed in 6" layers and thoroughly tamped or with concrete well rodded to a dense mass. The hole shall be filled to the ground line.
  - Driven to the specified depth by methods and procedures approved by the Engineer.



NOTCH DETAIL

BILL OF MATERIALS				
PIPE DIAMETER in INCHES			42	48
ITEM	SIZE	QUANTITY	Item Length	
PILES ✓	11" diam.	2		
HEADERS	2"x8"	1	7' 11"	7' 11"
BEAMS	2"x12"	2	7' 11"	7' 11"
BRACES	2"x8"	2	6' 2"	6' 5"
BOLTS w/NUTS	5/8" diam.	8	6"	6"
BOLTS w/NUTS	5/8" diam.	8	17"	17"
BOLTS w/NUTS	5/8" diam.	8	17"	17"
WASHERS, Flat	5/8"	48		
✓ NOTE: Enter actual length of piling based on site condition.				

PIPE OUTLET SUPPORT DETAILS FOR 42" AND 48" DIAMETER PIPE			
STANDARD DWG. NO. FL-410B4			
DATE	12/02	SHEET	OF

REVISIONS		
DATE	APPROVED	TITLE

Date	
Designed	
Drawn	
Checked	
Approved	